

FIBER REINFORCED THERMOPLASTIC SHEETS
WITH SURFACE COVERINGS

ABSTRACT OF THE DISCLOSURE

A composite sheet material that includes at least one porous core layer including a thermoplastic material and from about 20 weight percent to about 80 weight percent fibers based on a total weight of the porous core layer, and at least one skin covering a surface of the core layer. The skin includes at least one of a thermoplastic film, a fiber based scrim, a non-woven fabric, and a woven fabric.